# BookletChart™

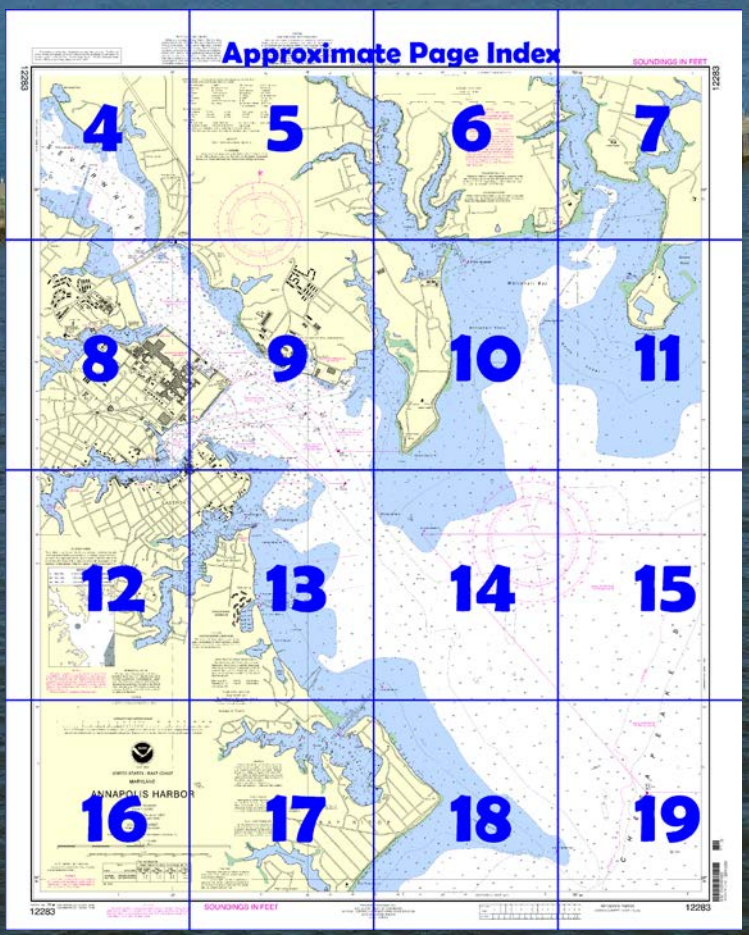
## Annapolis Harbor

**NOAA Chart 12283**

### A reduced-scale NOAA nautical chart for small boaters

**When possible, use the full-size NOAA chart for navigation.**


- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



***Published by the***
***National Oceanic and Atmospheric Administration***
***National Ocean Service***
***Office of Coast Survey***
***www.NauticalCharts.NOAA.gov***
***888-990-NOAA***

### What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

### What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

### Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=12283.


**(Selected Excerpts from Coast Pilot)**
**Severn River**, the approach to Annapolis, empties into Chesapeake Bay 127 miles above the Virginia Capes. Commercial traffic consists of tour boats, fishing and shell fishing craft. Naval craft and many pleasure craft use the river.
The river has main channel depths of 17 feet or more from the entrance to Annapolis, thence 15 feet or more for 8 miles, thence 11 to 7 feet for 2 miles to within 1 mile of the head. The channel is well marked as far as Annapolis, above which it is marked at the critical points and is easy to follow.
**Tides and currents.–**The tide is greatly influenced by winds. The current velocity seldom exceeds 0.5 knot. Ice rarely interferes with navigation except in severe winters, and then only for a short time.
The Severn River Comprehensive Vessel Management Plan regulations established maximum speed limits for day and night operation of boats and minimum wake speed limits for the Severn River and its tributaries. These speed limits vary and are marked by white and orange regulatory markers. For more information contact Maryland Department of Natural Resources, Marine Police, Tawes State Office Building, Annapolis, MD 21401; telephone 410-260-8880.
**Weems Creek** (39°00.0'N., 76°30.1'W.), on the southwest side of Severn River 3.2 miles above the mouth, has depths of 13 feet for 0.8 mile, thence 11 to 7 feet for 0.3 mile to near the head. A shoal extends 300 yards eastward from the point on the north side of the entrance, and is marked by a buoy. The highway bridge 0.5 mile above the entrance has a swing span with a width of 28 feet and a clearance of 8 feet. The fixed highway bridge about 500 feet above the drawbridge has a clearance of 28 feet. A private special purpose buoy at the mouth of Weems Creek marks a **speed** controlled area.
U.S. Route 50/301 fixed highway bridge over Severn River, 3.5 miles above the mouth, has a clearance of 80 feet at the center span.
**Round Bay**, an expansion of Severn River beginning 6 miles above the mouth and continuing for 2 miles, has depths of 17 to 23 feet and is traveled extensively by motorboats. **Little Round Bay**, west of Round Bay, has depths of 17 to 19 feet, and is marked by daybeacons. Depths of 4 feet can be carried to a boatyard in **Browns Cove**, behind **St. Helena Island.** Berths, electricity, gasoline, diesel fuel, water, ice, launching ramp, pump-out station, storage and some marine supplies can be obtained. A 35-ton lift is available for hull and engine repairs.
**Forked Creek**, on the north side of Severn River 9 miles above the mouth, has depths of 16 to 10 feet for most of its 0.4 mile length. Marine services are on the creek with 4 to 6 feet available alongside. Berths, electricity, water, ice and a launching ramp are available. A marine railway can handle crafts to 50 feet; lift to 9 tons for hull and engine repairs.
There is a small-boat basin on the east side of Severn River, 11 miles above the mouth. The controlling depth to the basin is about 3 feet.
**Whitehall Bay**, on the west side of Chesapeake Bay, is between Greenbury Point (38°58.5'N., 76°27.3'W.) and **Hackett Point,** 1.5 miles to the northeastward. The bay has general depths of 13 to 6 feet. The entrance channel is about 300 yards wide between **Whitehall Flats** on the west and **North Shoal** on the east, both with depths of 3 to 4 feet; a light marks the western limit of North Shoal. A lighthouse at **Sharps Point,** on the west side of the entrance to Whitehall Creek Entrance Light 2W, provides a well-marked approach to the channel.
**Mill Creek**, which empties into the northwest corner of Whitehall Bay, is entered through a privately dredged entrance channel marked by a light and daybeacons; in 1998, the reported controlling depth was 7 feet. The depths above the dredged channel are 7 to 14 feet for 1.5 miles to near the head of the creek. Gasoline is available at a pier 0.7 mile above the entrance. A marine railway, 1.3 miles above entrance, can handle boats up to 40 feet. Gasoline and water are available just west of the railway.
**Whitehall Creek**, which empties into the northeast corner of Whitehall Bay, has depths of 9 to 13 feet for 1.5 miles, then shoals gradually to 1-foot at the head 0.5 mile farther up. The narrow, crooked entrance channel is marked by lights and daybeacons. In 1998, shoaling to 6 feet was reported in the channel between daybeacons 4 and 5. A 35-ton lift is available on the east side of the creek, 1 mile above the mouth.

**U.S. Coast Guard Rescue Coordination Center**
**24 hour Regional Contact for Emergencies**

| | | |
|---|---|---|
| RCC Norfolk | Commander<br>5th CG District<br>Norfolk, VA | (575) 398-6231 |

# Table of Selected Chart Notes

HEIGHTS

Heights in feet above Mean High Water.

Mercator Projection
Scale 1:10,000

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.402" northward and 1.144" eastward to agree with this chart.

CAUTION

BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

| | | |
|---|---|---|
| Baltimore, MD | KEC-83 | 162.400 MHz |
| Washington, DC (Manassas, VA) | KHB-36 | 162.550 MHz |

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) o(Approximate location)

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

*Pipeline Area* *Cable Area*

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

SMALL CRAFT WARNINGS

During the boating season small-craft warnings will be displayed from sunrise to sunset on Maryland Marine Police Cruisers while underway in Maryland waters of the Chesapeake Bay and tributaries.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Virginia or at the Office of the District Engineer, Corps of Engineers in Baltimore, Maryland.

Refer to charted regulation section numbers.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and National Geospatial-Intelligence Agency.

CAUTION

FISH TRAP AREAS AND STRUCTURES

Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in the fish trap areas. Such structures are not charted unless known to be permanent.

Regulations to assure clear passage to and through dredged and natural channels, and to established landings, are prescribed by the Corps of Engineers in the Code of Federal Regulations.

Definite limits of fish trap areas have been established in some areas, and those limits are shown thus: ——— — ——— —

Where definite limits have not been prescribed, the location of fishing structures is restricted only by the regulations.

TIDAL INFORMATION

| PLACE | | Height referred to datum of soundings (MLLW) | | |
|---|---|---|---|---|
| NAME | (LAT/LONG) | Mean Higher High Water | Mean High Water | Mean Low Water |
| | | feet | feet | feet |
| Annapolis, U.S. Naval Academy | (38°59'N/76°29'W) | 1.4 | 1.2 | 0.2 |

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

(Apr 2012)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical
Al alternating
B black
Bn beacon
C can
DIA diaphone
F fixed
Fl flashing
G green
IQ interrupted quick
Iso isophase
LT HO lighthouse
M nautical mile
m minutes
MICRO TR microwave tower
Mkr marker
Mo morse code
N nun
OBSC obscured
Oc occulting
Or orange
Q quick
R red
Ra Ref radar reflector
R Bn radiobeacon
R TR radio tower
Rot rotating
s seconds
SEC sector
St M statute miles
VQ very quick
W white
WHIS whistle
Y yellow

Bottom characteristics:

Blds boulders
bk broken
Cy clay
Co coral
G gravel
Grs grass
gy gray
h hard
M mud
Oys oysters
Rk rock
S sand
so soft
Sh shells
sy sticky

Miscellaneous:

AUTH authorized
ED existence doubtful
Obstn obstruction
PA position approximate
PD position doubtful
Rep reported
Subm submerged

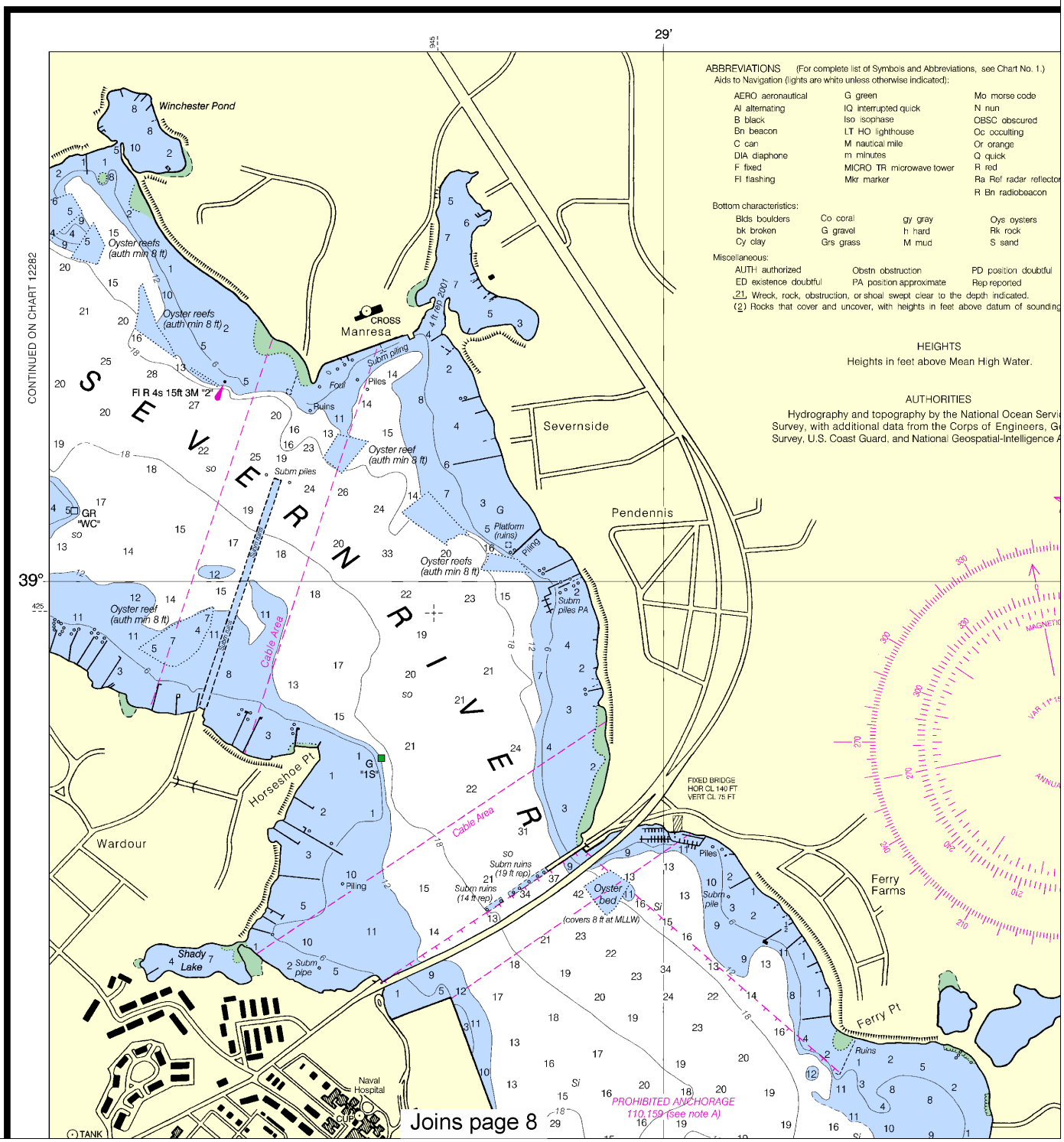
(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

12283

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 2-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx, or OceanGrafix at 1-877-56CHART or http://www.oceangrafix.com.




4

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~ See Note on page 5.

Nautical Miles
0

Yards
200 0 200 400 600 800 1000 1200

CAUTION

FISH TRAP AREAS AND STRUCTURES

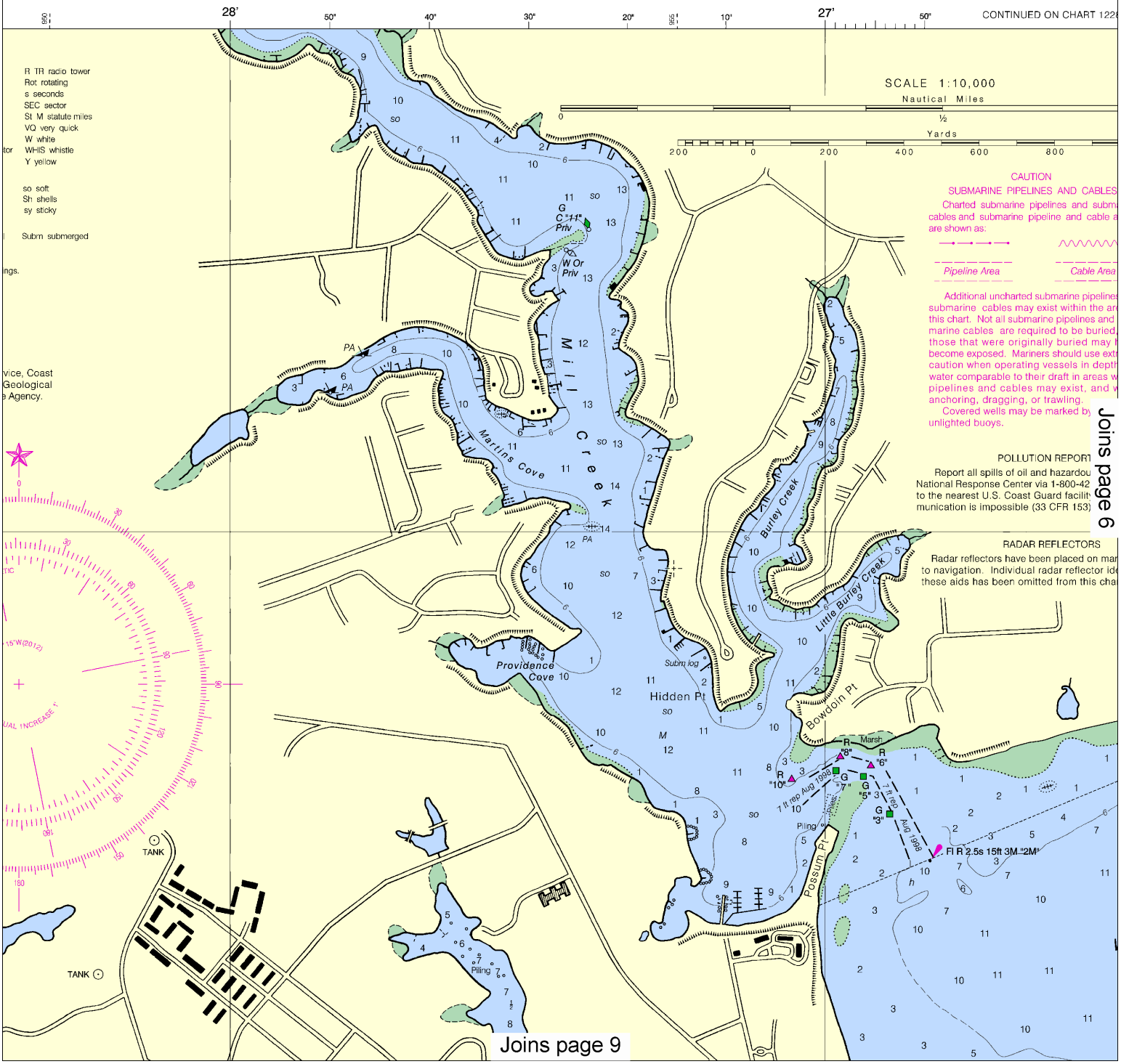
Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in the fish trap areas. Such structures are not charted unless known to be permanent.

Regulations to assure clear passage to and through dredged and natural channels, and to established landings, are prescribed by the Corps of Engineers in the Code of Federal Regulations.

Definite limits of fish trap areas have been established in some areas, and those limits are shown thus: ——— — ——— —

Where definite limits have not been prescribed, the location of fishing structures is restricted only by the regulations.

Formerly C&GS 385, 1st Ed., Mar. 1889 1937-732 KAPP 642




This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:13333. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

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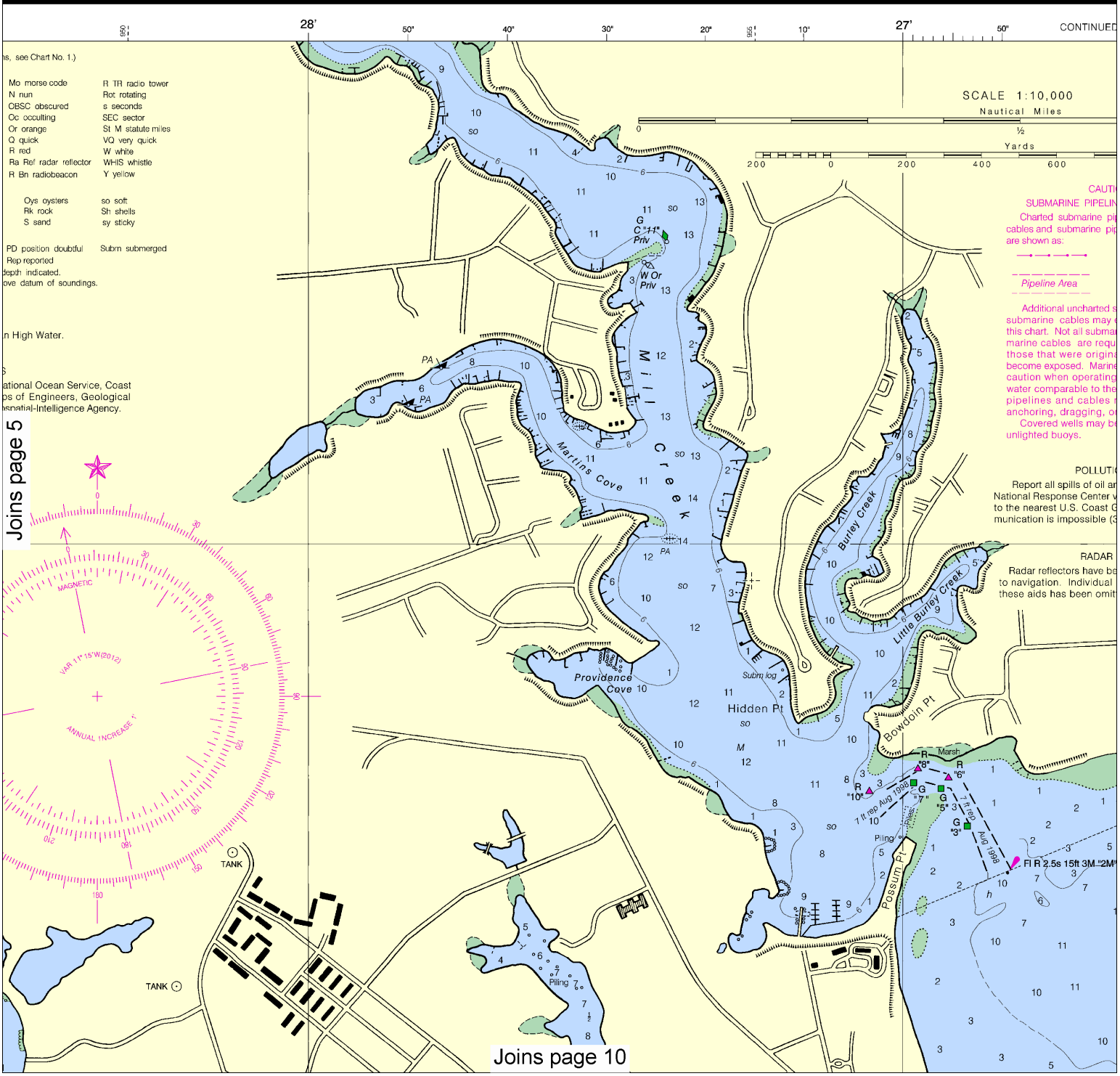


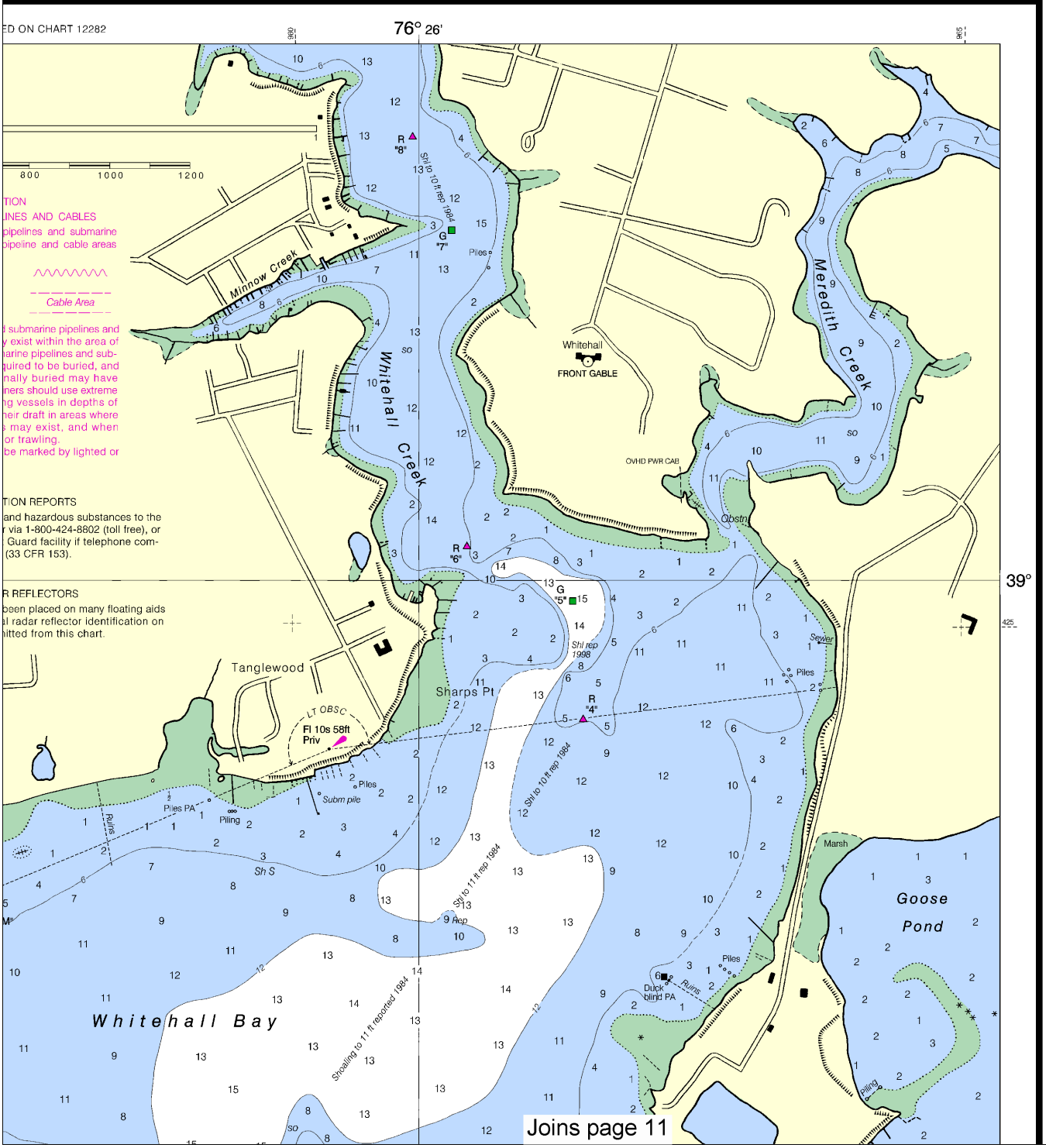



Note: Chart grid lines are aligned with true north.

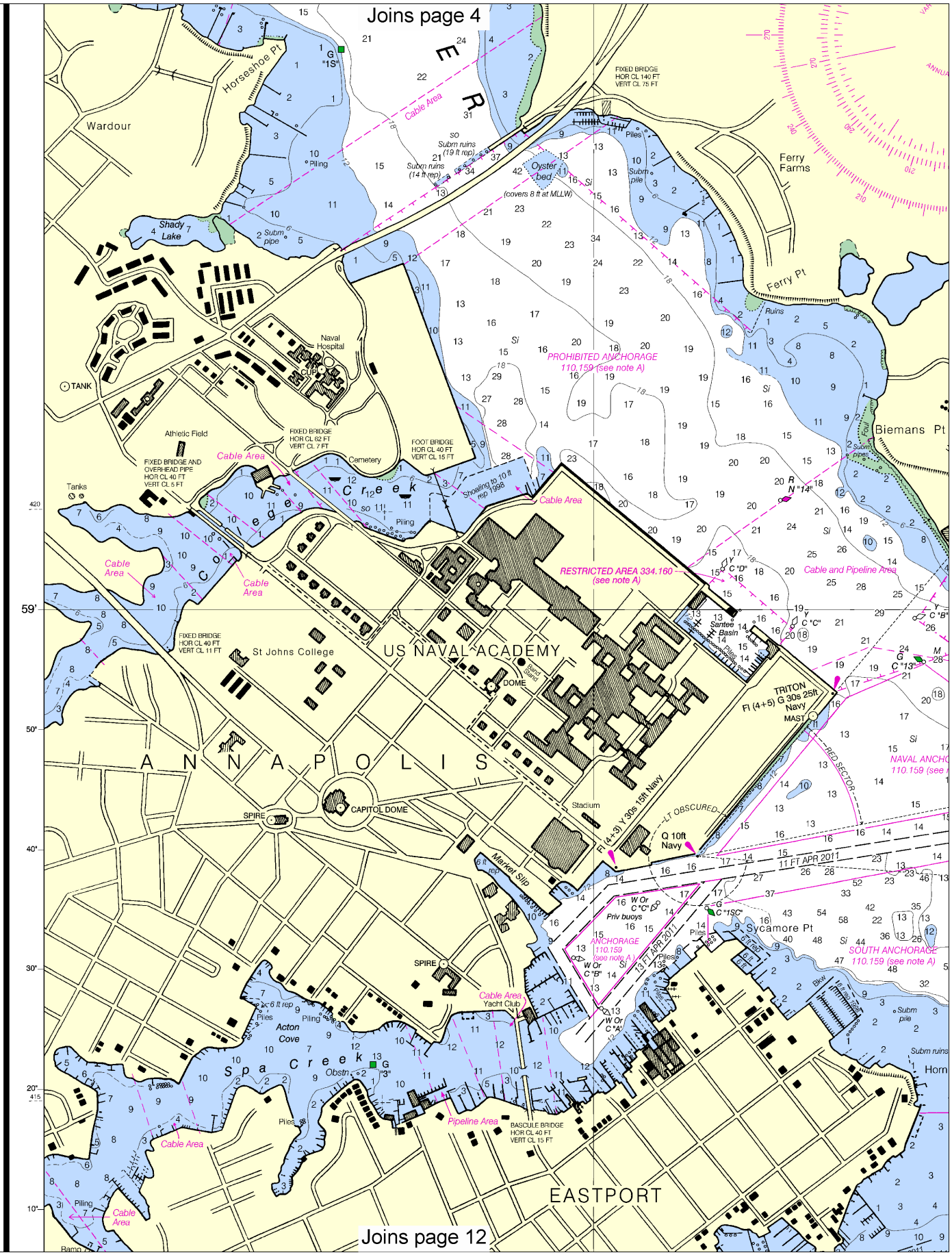
Printed at reduced scale. ~~SCALE 1:10,000~~ See Note on page 5.

SOUNDINGS IN FEET

12283




This BookletChart has been updated through: Coast Guard Local Notice To Mariners: 4812 11/27/2012,
NGA Weekly Notice to Mariners: 4912 12/8/2012,
Canadian Coast Guard Notice to Mariners: n/a.




8

Note: Chart grid lines are aligned with true north.

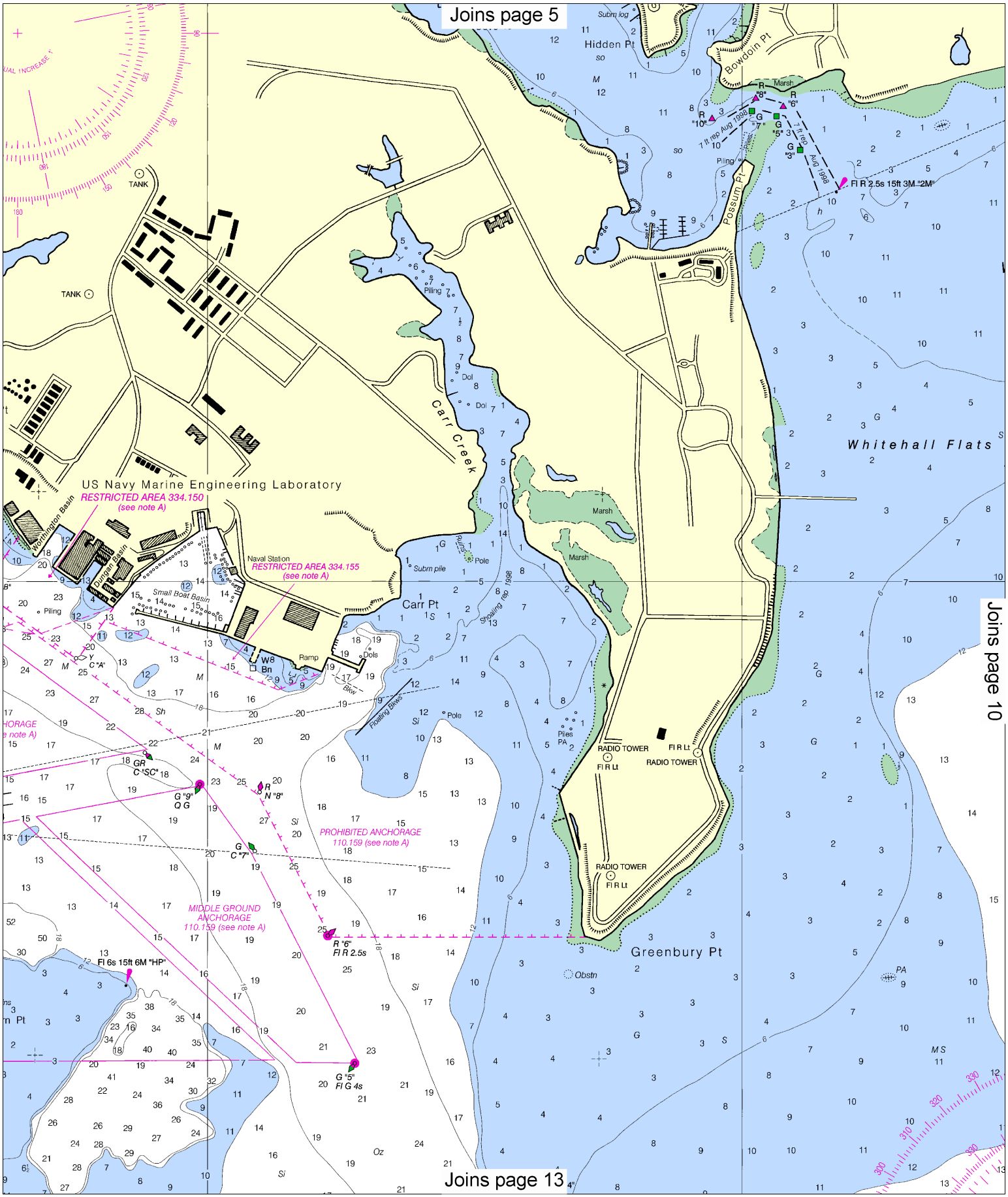
Printed at reduced scale. ~~SCALE 1:10,000~~ See Note on page 5.

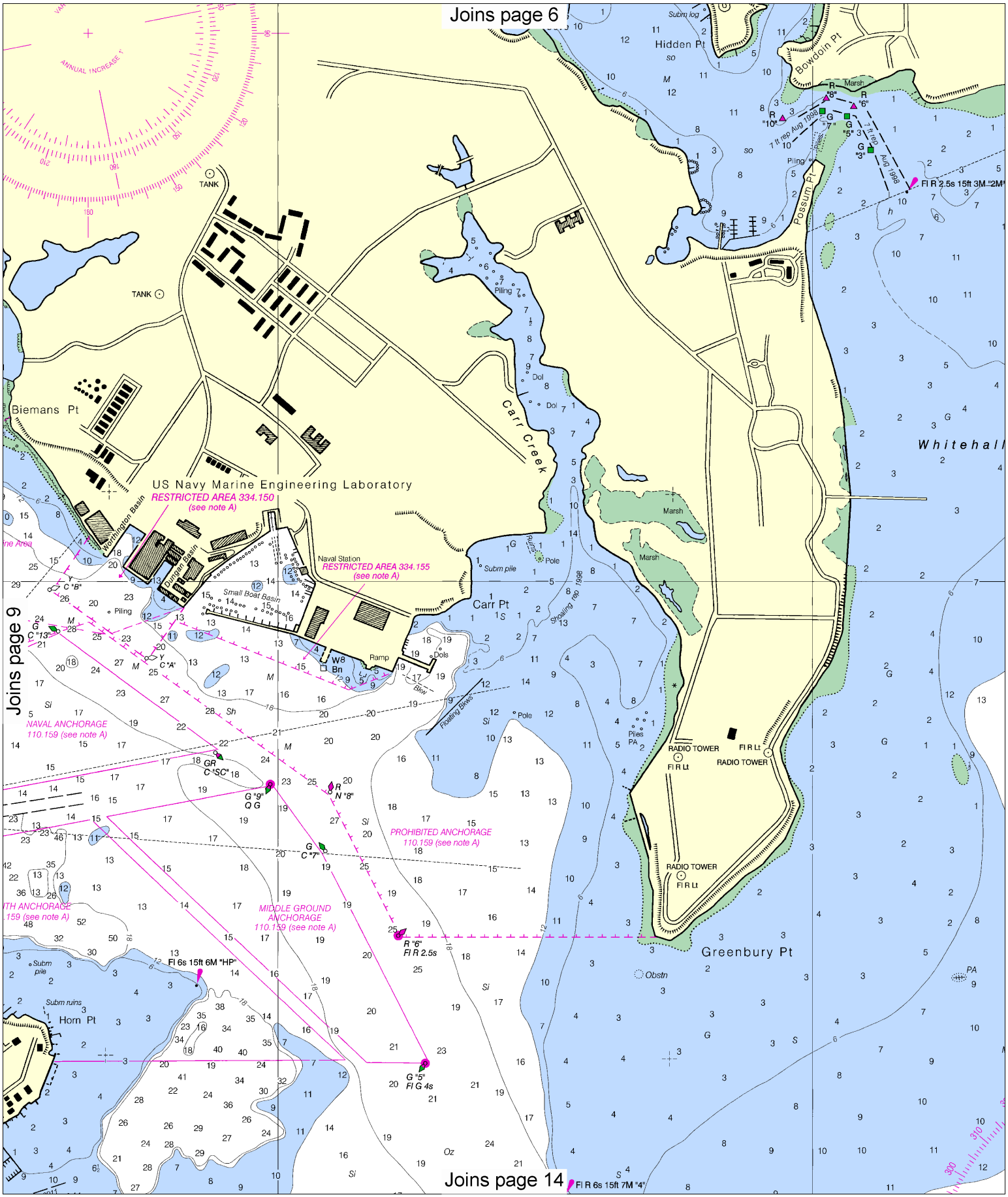
Nautical Miles

0

Yards

200 0 200 400 600 800 1000 1200


Joins page 5
Hidden Pt
Bowdoin Pt
Marsh
"8"
"6"
"10"
"7"
"5"
"3"
7 ft rep Aug 1998
Piling
Possum Pt
Fl R 2.5s 15ft 3M "2M"
TANK
TANK
Carr Creek
Dol
Dol
Whitehall Flats
US Navy Marine Engineering Laboratory
RESTRICTED AREA 334.150
(see note A)
Worthington Basin
Dungan Basin
Small Boat Basin
Naval Station
RESTRICTED AREA 334.155
(see note A)
Marsh
Marsh
Subm pile
Pole
Carr Pt
Shoaling rep 1998
Ramp
W8
Bn
Dols
Floating Bkwr
Pole
Piles
PA
RADIO TOWER
Fl R Lt
RADIO TOWER
Fl R Lt
RADIO TOWER
Fl R Lt
PROHIBITED ANCHORAGE
110.159 (see note A)
MIDDLE GROUND
ANCHORAGE
110.159 (see note A)
GR
C "SC"
G "9"
Q G
R
N "8"
G
C "7"
R "6"
Fl R 2.5s
Fl 6s 15ft 6M "HP"
G "5"
Fl G 4s
Greenbury Pt
Obstn
PA
Joins page 10
Joins page 13




10

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

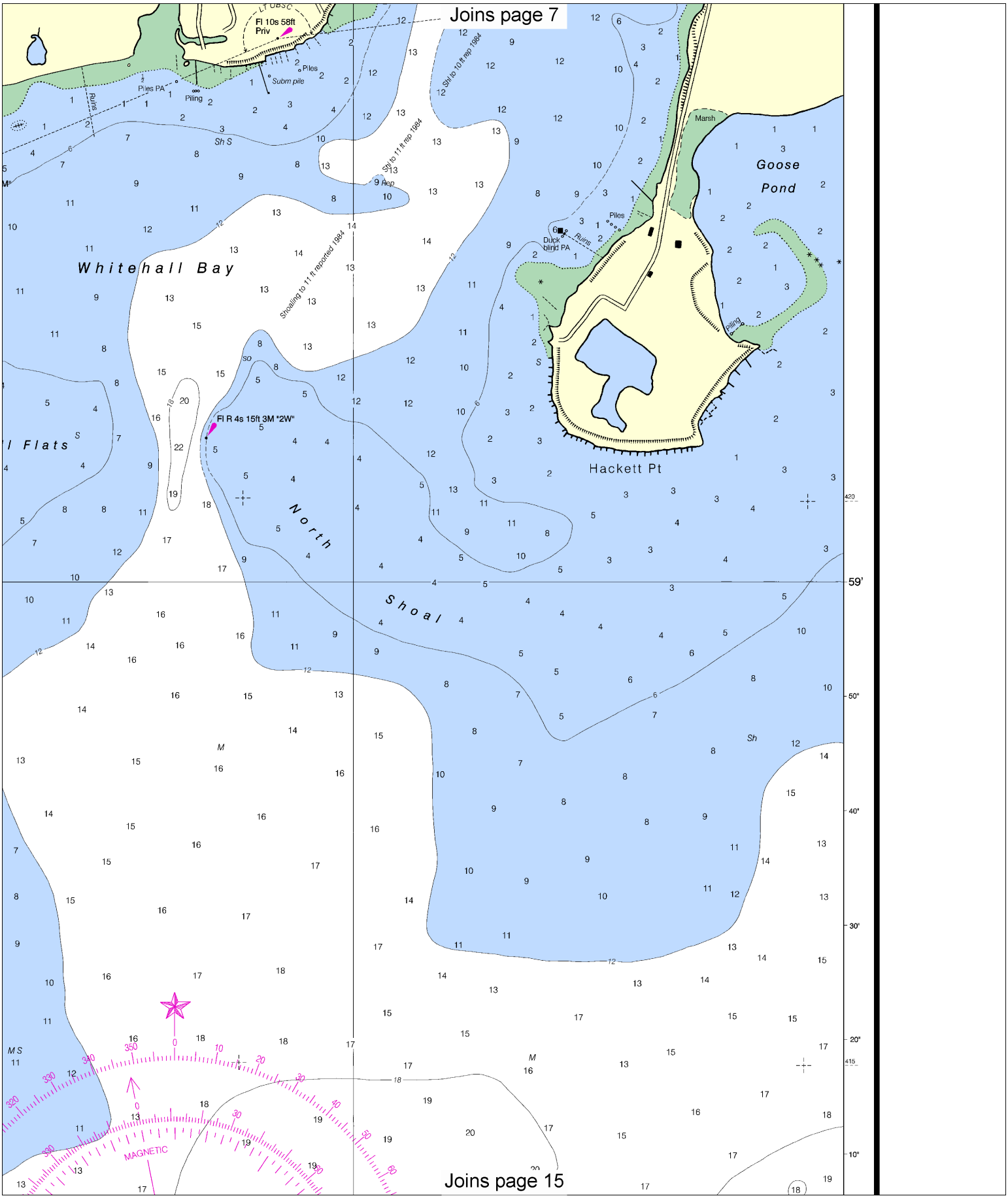
Nautical Miles

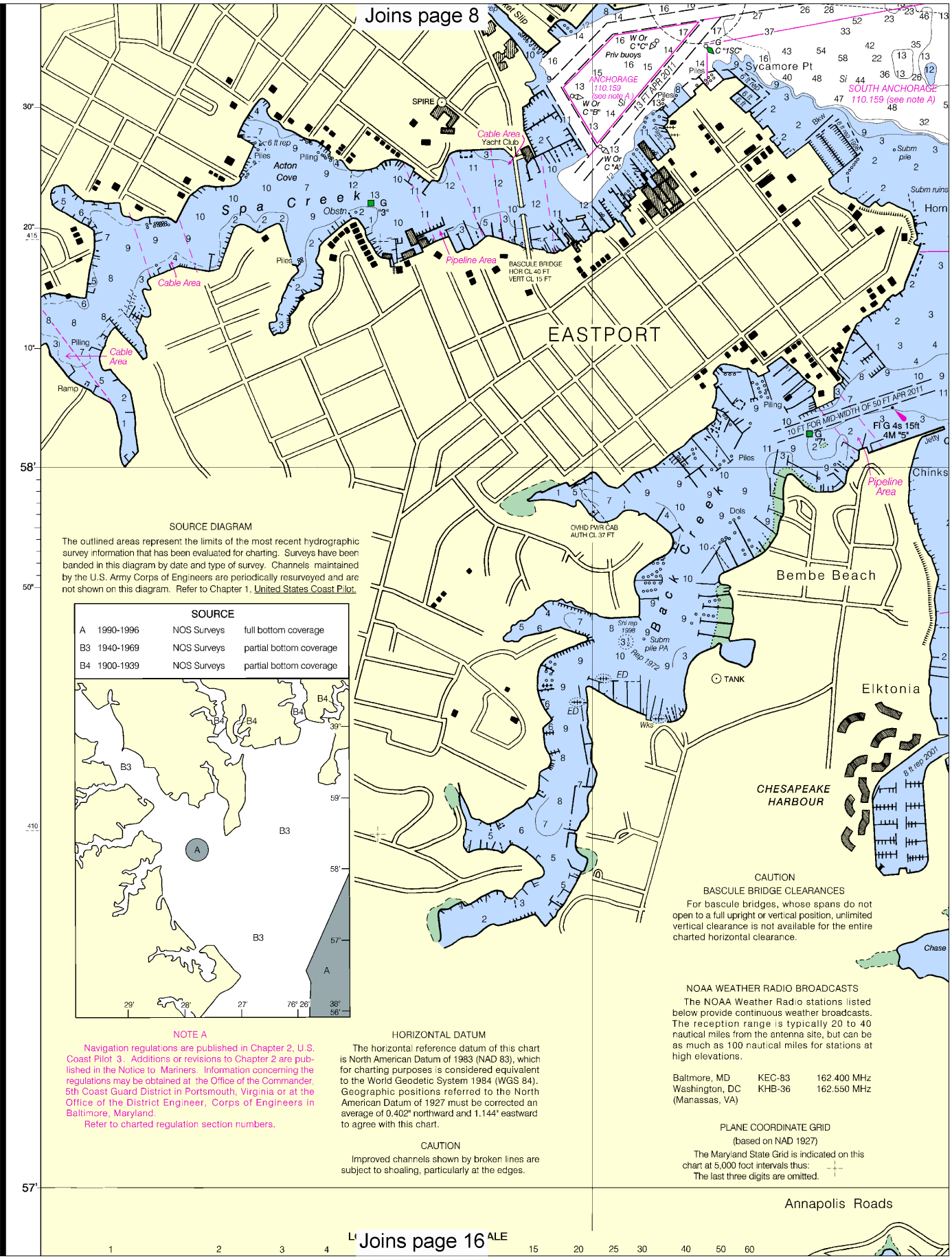
0

Yards

200 0 200 400 600 800 1000 1200

See Note on page 5.


Joins page 7
Fl 10s 58ft
Priv
LT OBSC
Piles
Subm pile
Piles PA
Ruins
Piling
Sh S
Sh to 10 ft rep 1984
Sh to 11 ft rep 1984
9 Rep
Marsh
Goose
Pond
Piles
Duck blind PA
Ruins
Piling
Whitehall Bay
Shoaling to 11 ft reported 1984
Fl R 4s 15ft 3M "2W"
Hackett Pt
North
Shoal
59'
50"
40"
30"
20"
10"
MAGNETIC
Joins page 15




SOURCE DIAGRAM

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| SOURCE | | | |
|---|---|---|---|
| A | 1990-1996 | NOS Surveys | full bottom coverage |
| B3 | 1940-1969 | NOS Surveys | partial bottom coverage |
| B4 | 1900-1939 | NOS Surveys | partial bottom coverage |




NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Virginia or at the Office of the District Engineer, Corps of Engineers in Baltimore, Maryland.

Refer to charted regulation section numbers.

HORIZONTAL DATUM

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CAUTION

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CAUTION

BASCULE BRIDGE CLEARANCES

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NOAA WEATHER RADIO BROADCASTS

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| | | |
|---|---|---|
| Baltimore, MD | KEC-83 | 162.400 MHz |
| Washington, DC (Manassas, VA) | KHB-36 | 162.550 MHz |

PLANE COORDINATE GRID

(based on NAD 1927)

The Maryland State Grid is indicated on this chart at 5,000 foot intervals thus: The last three digits are omitted.

SCALE 1:10,000

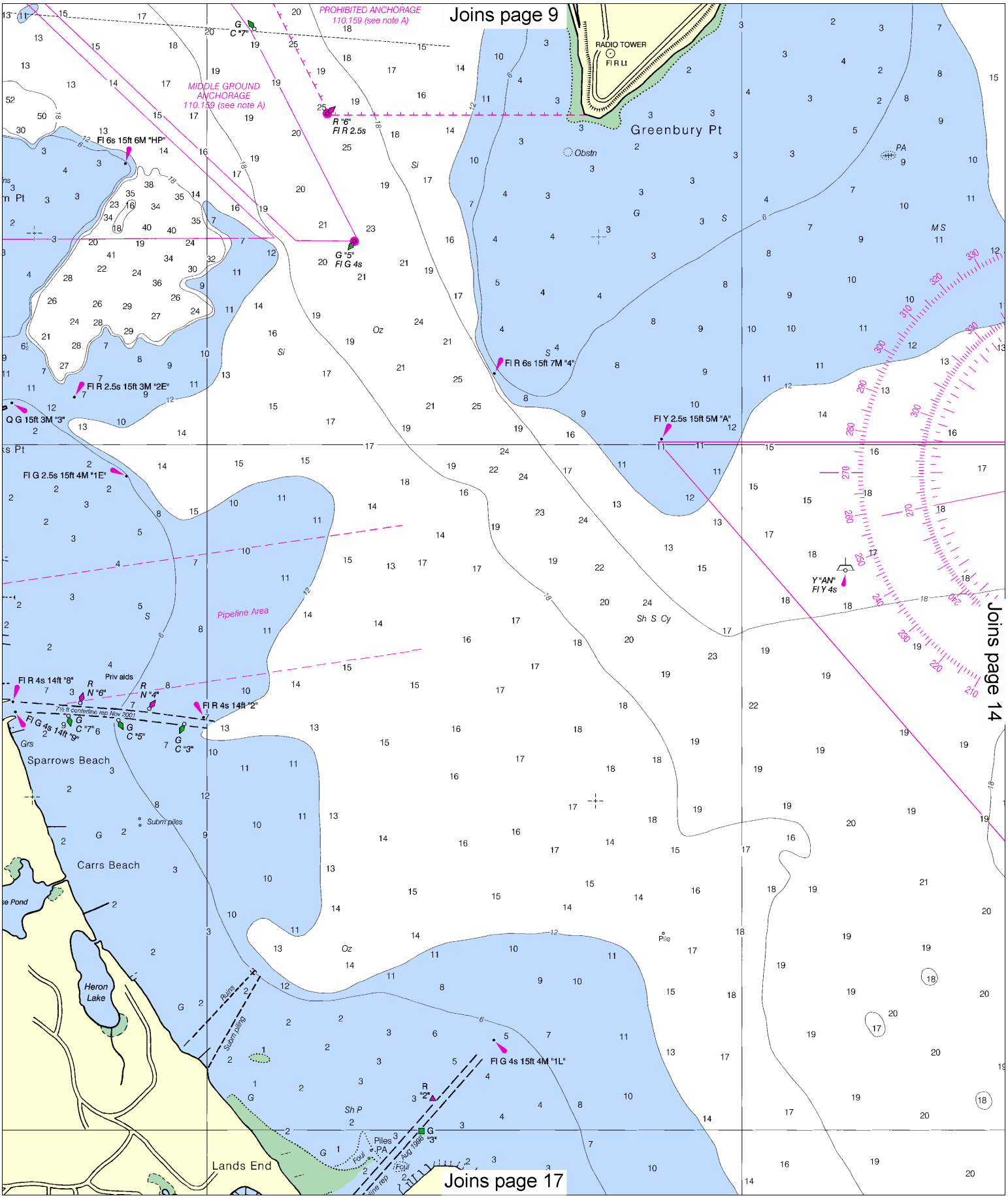
1 2 3 4 Nautical Miles

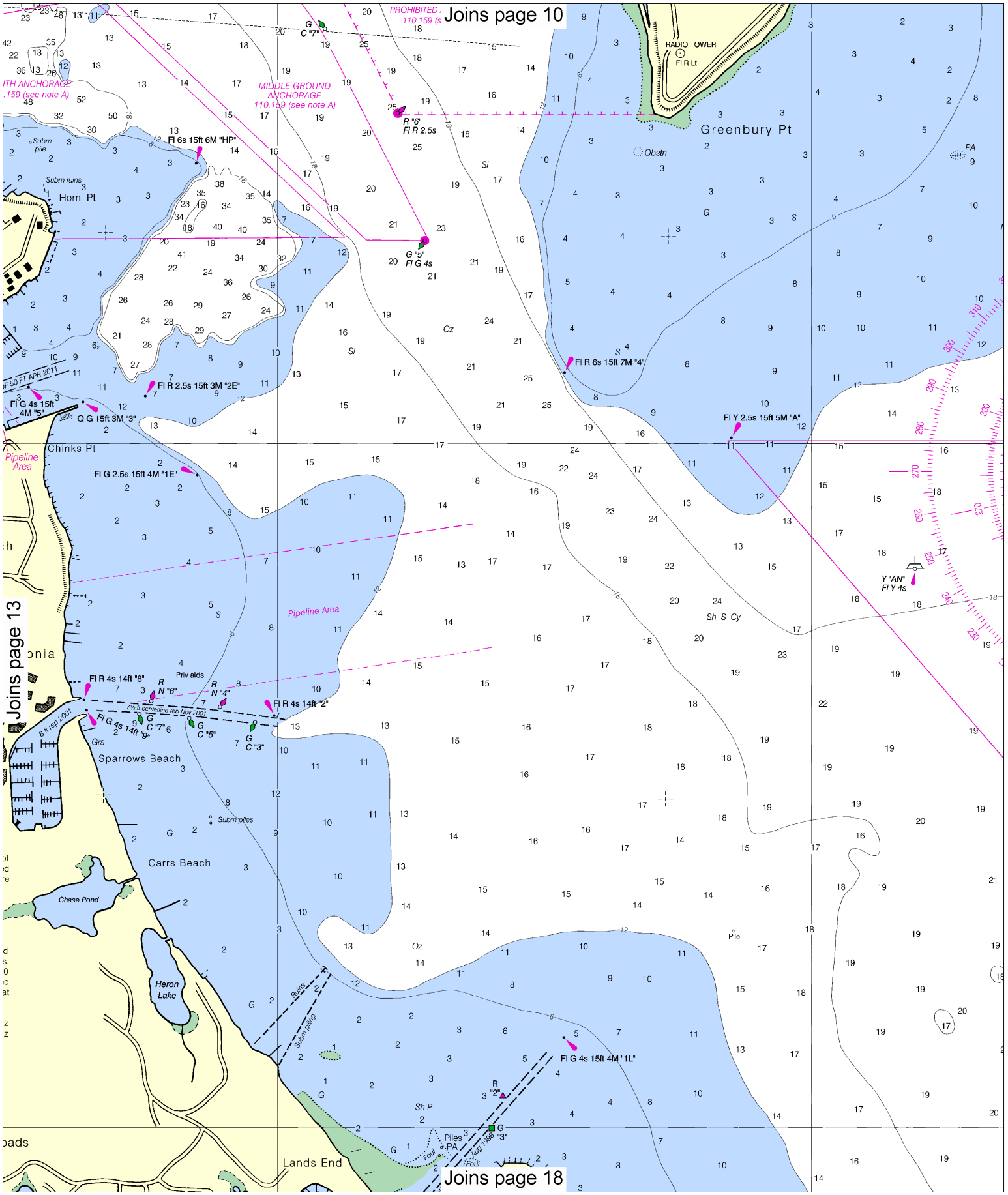
0 200 400 600 800 1000 1200 Yards



Note: Chart grid lines are aligned with true north.

Printed at reduced scale. See Note on page 5.


Joins page 9
PROHIBITED ANCHORAGE
110.159 (see note A)
MIDDLE GROUND
ANCHORAGE
110.159 (see note A)
RADIO TOWER
Fl R Lt
Greenbury Pt
Obstn
R "6"
Fl R 2.5s
G "5"
Fl G 4s
Fl R 6s 15ft 6M "HP"
Fl R 2.5s 15ft 3M "2E"
Q G 15ft 3M "3"
Fl R 6s 15ft 7M "4"
Fl Y 2.5s 15ft 5M "A"
Fl G 2.5s 15ft 4M "1E"
Y "AN"
Fl Y 4s
Pipeline Area
Priv aids
Fl R 4s 14ft "8"
R "N" "6"
R "N" "4"
Fl R 4s 14ft "2"
Fl G 4s 14ft "9"
G "C" "7"
G "C" "5"
G "C" "3"
Sparrows Beach
Subm piles
Carrs Beach
Heron Lake
Runs
Storm piling
Fl G 4s 15ft 4M "1L"
R "2"
G "3"
Piles
PA
Foul
Lands End
Joins page 17
Joins page 14




**14**

Note: Chart grid lines are aligned with true north.

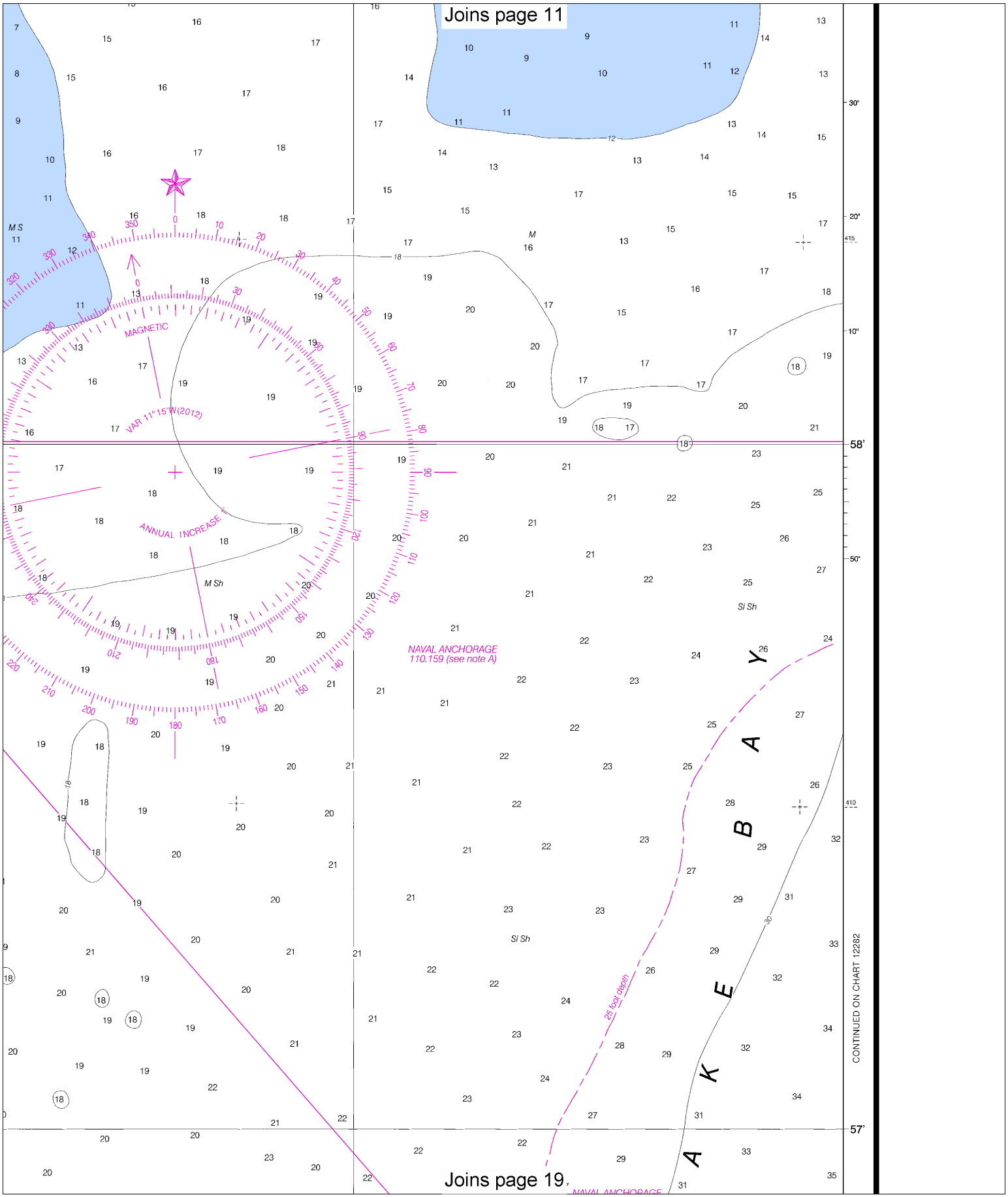
Printed at reduced scale. ~~SCALE 1:10,000~~ See Note on page 5.

Nautical Miles

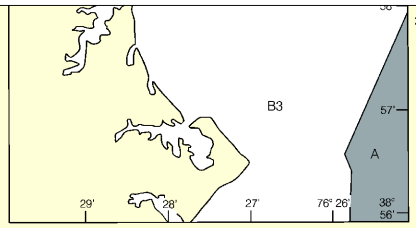
0

Yards

200 0 200 400 600 800 1000 1200


Joins page 11
MAGNETIC
VAR 11°15'W(2012)
ANNUAL INCREASE
M Sh
NAVAL ANCHORAGE
110.159 (see note A)
Si Sh
25 fad depth
BAY
LAKE
58'
57'
CONTINUED ON CHART 12282
Joins page 19

Joins page 12

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Refer to charted regulation section numbers.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.402" northward and 1.144" eastward to agree with this chart.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

| | | |
|---|---|---|
| Baltimore, MD | KEC-83 | 162.400 MHz |
| Washington, DC (Manassas, VA) | KHB-36 | 162.550 MHz |

PLANE COORDINATE GRID

(based on NAD 1927)

The Maryland State Grid is indicated on this chart at 5,000 foot intervals thus: ⊹ The last three digits are omitted.

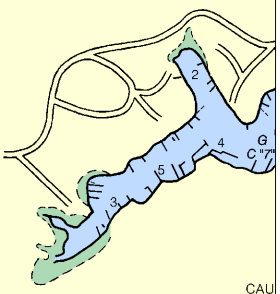
57'

Annapolis Roads

LOGARITHMIC SPEED SCALE

1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.



405

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

MARYLAND

# ANNAPOLIS HARBOR

Mercator Projection
Scale 1:10,000

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

SCALE 1:10,000

Nautical Miles

0 ½ 1

Yards

200 0 200 400 600 800 1000 1200

CAU

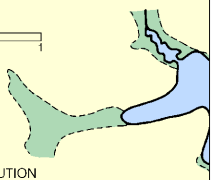
Limitations on the aids to marine navigati U.S. Coast Guard Lig Geospatial-Intelligence Radio direction-finder broadcasting stations should be used with ca Station positions are ⊙(Accurate location)

RACING

Racing buoys within are not shown hereon obtained from the U.S Offices as racing and not all listed in the U.S.

SMALL CRAF

During the boatin warnings will be disp sunset on Maryland M while underway in M Chesapeake Bay and



SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 3 for important supplemental information.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

TIDAL INFORMATION

| PLACE | | Height referred to datum of soundings (MLLW) | | |
|---|---|---|---|---|
| NAME | (LAT/LONG) | Mean Higher High Water | Mean High Water | Mean Low Water |
| | | feet | feet | feet |
| Annapolis, U.S. Naval Academy | (38°59'N/76°29'W) | 1.4 | 1.2 | 0.2 |

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

(Apr 2012)

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

38° 56'

945

29'

28th Ed., May / 12 ■ Corrected through NM May 5/12
Corrected through LNM May 1/12

12283

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

SOUNDINGS IN



Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

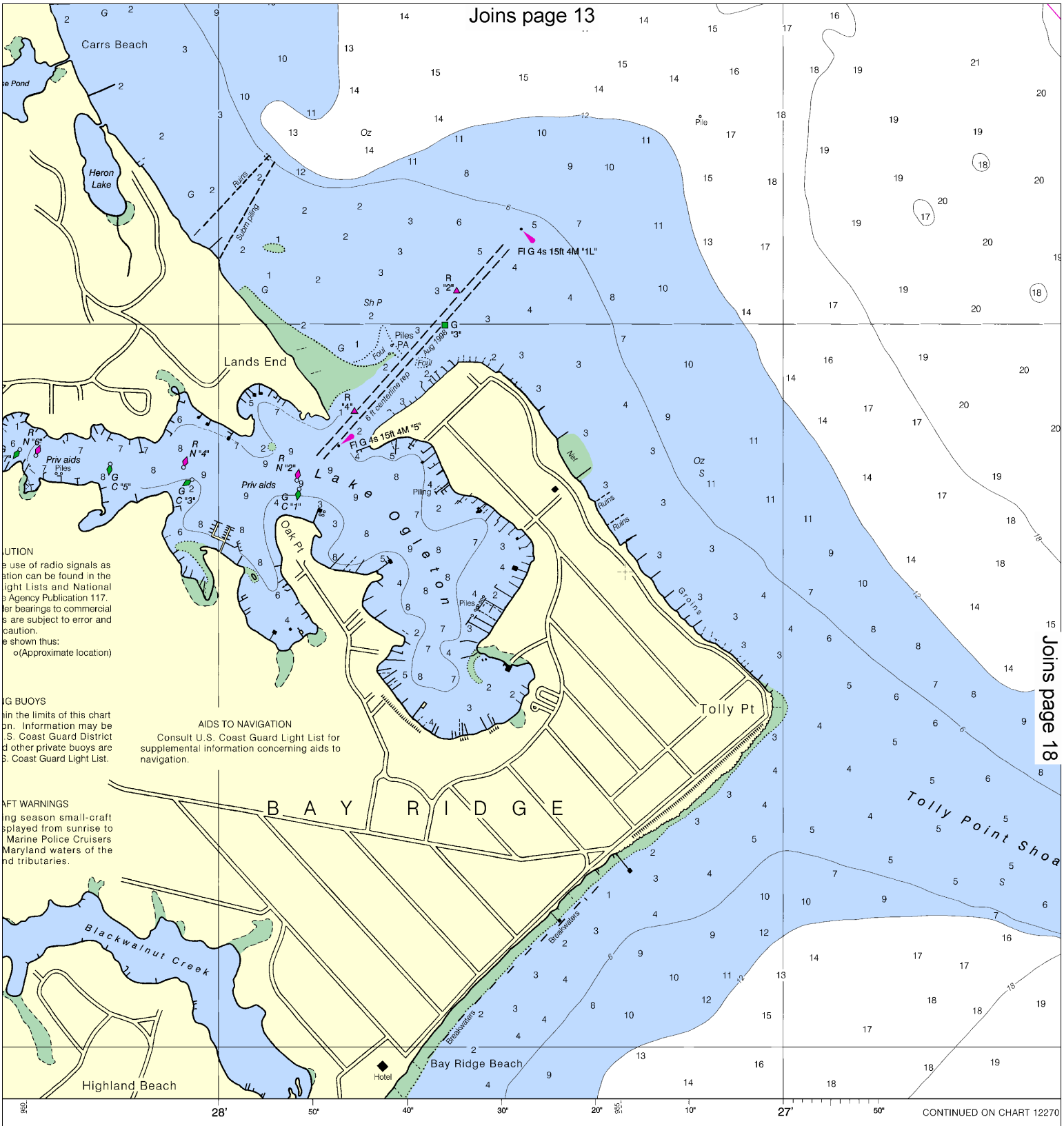
Nautical Miles

0

Yards

200 0 200 400 600 800 1000 1200

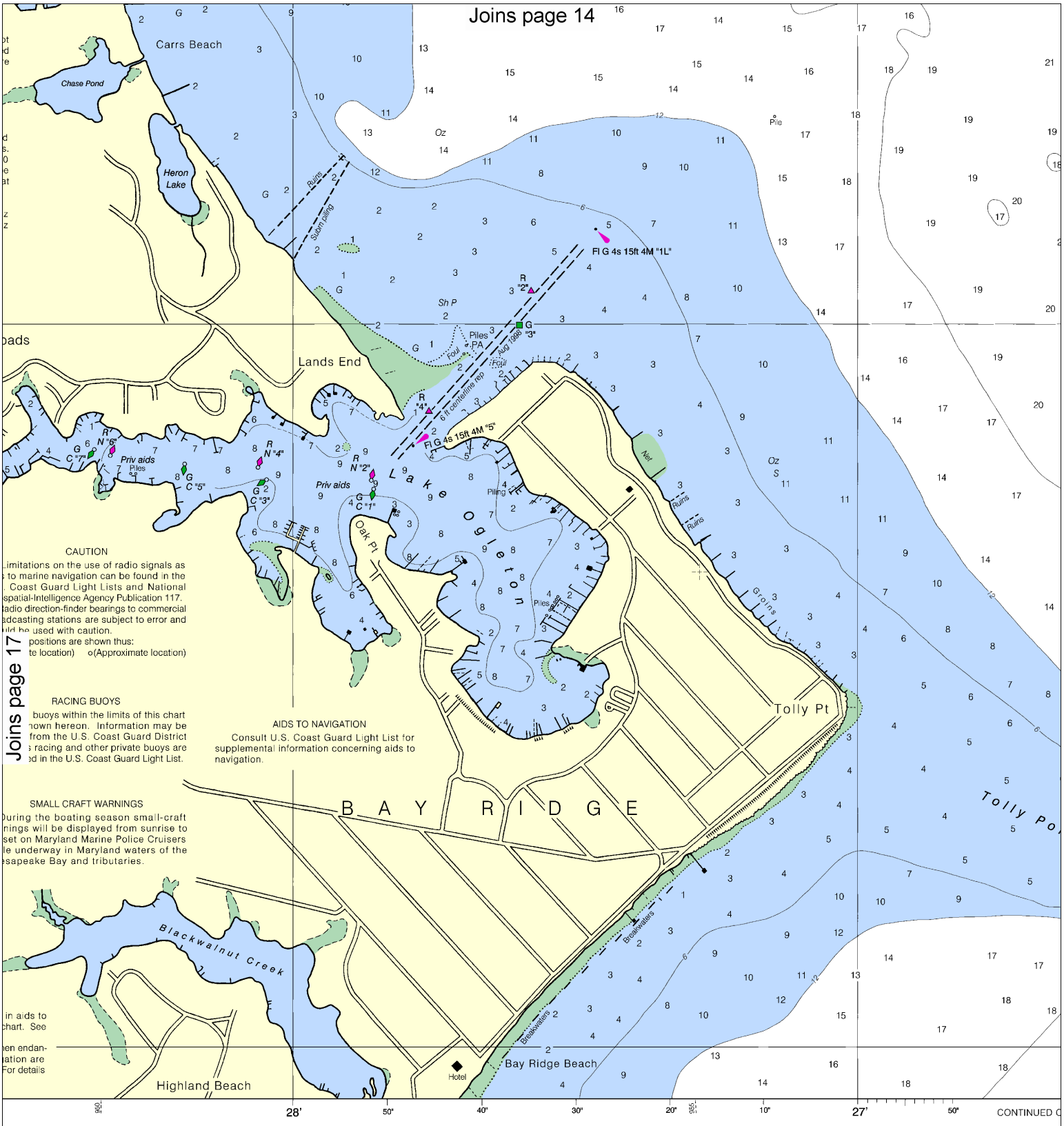
See Note on page 5.




N FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

| | | | | | | |
|---|---|---|---|---|---|---|
| FATHOMS | 1 | 2 | 3 | | | |
| FEET | 6 | 12 | 18 | | | |
| METERS | 1 | 2 | 3 | 4 | 5 | 6 |




GS IN FEET

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS
FEET
METERS

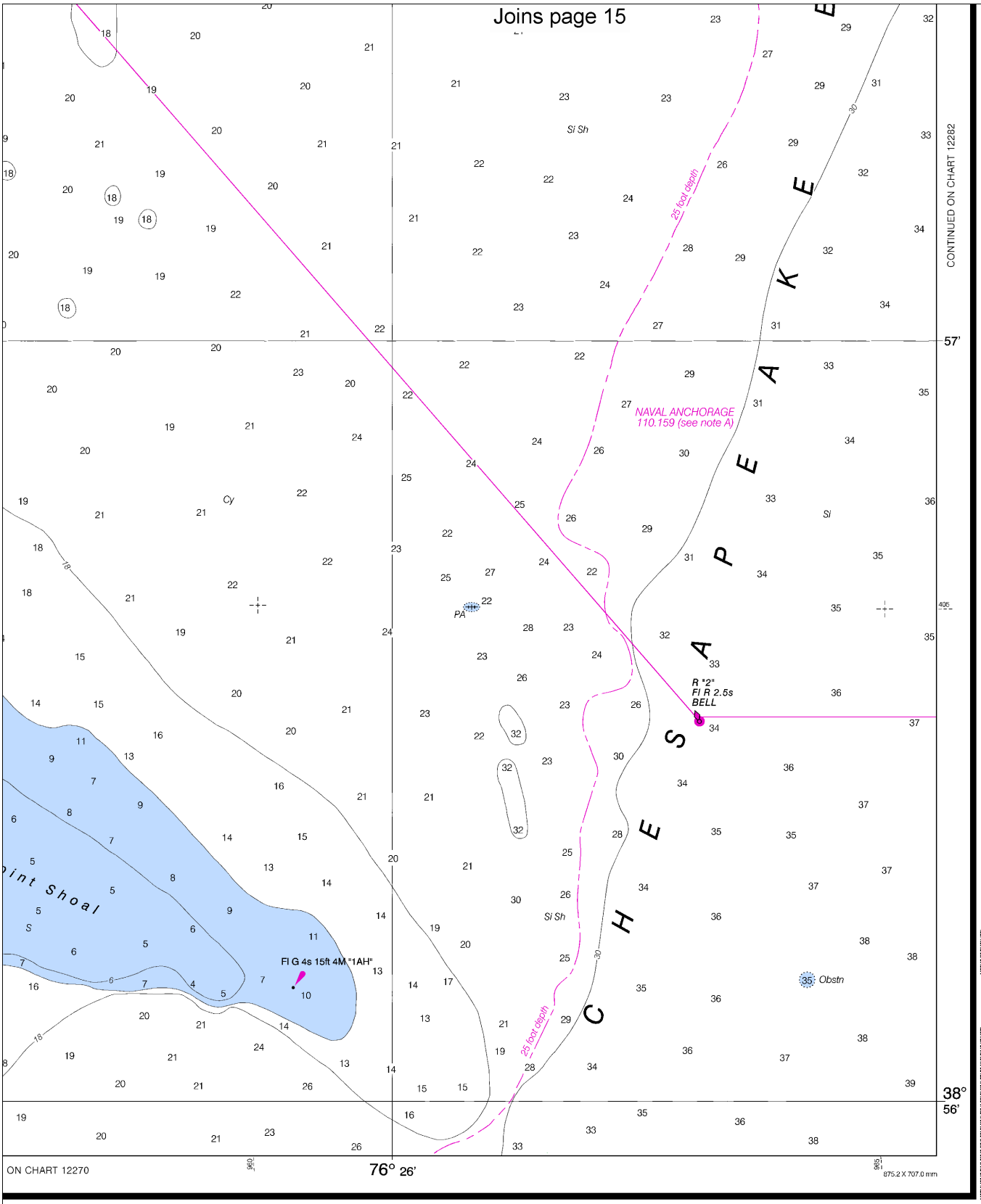


Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

Nautical Miles
0
Yards
200 0 200 400 600 800 1000 1200

See Note on page 5.




Annapolis Harbor

SOUNDINGS IN FEET - SCALE 1:10,000

12283

ED. NO. 28

NSN 7642014010352 NGA REFERENCE NO. 12BHA12283

EMERGENCY INFORMATION

## VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.
**Channel 9** – Communications between boats and ship-to-coast.
**Channel 13** – Navigation purposes at bridges, locks, and harbors.
**Channel 16** – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
**Channels 68, 69, 71, 72 and 78A** – Recreational boat channels.

**Getting and Giving Help** — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

### Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

**HAVE ALL PERSONS PUT ON LIFE JACKETS!**

All Hazards NOAA Weather Radio NOAA's National Weather Service

**NOAA Weather Radio All Hazards (NWR)** is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.
**http://www.nws.noaa.gov/nwr/**

## Quick References

| | | |
|---|---|---|
| Nautical chart related products and information | — | **http://www.nauticalcharts.noaa.gov** |
| Online chart viewer | — | **http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html** |
| Report a chart discrepancy | — | **http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx** |
| Chart and chart related inquiries and comments | — | **http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs** |
| Chart updates (LNM and NM corrections) | — | **http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html** |
| Coast Pilot online | — | **http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm** |
| Tides and Currents | — | **http://tidesandcurrents.noaa.gov** |
| Marine Forecasts | — | **http://www.nws.noaa.gov/om/marine/home.htm** |
| National Data Buoy Center | — | **http://www.ndbc.noaa.gov/** |
| NowCoast web portal for coastal conditions | — | **http://www.nowcoast.noaa.gov/** |
| National Weather Service | — | **http://www.weather.gov/** |
| National Hurrican Center | — | **http://www.nhc.noaa.gov/** |
| Pacific Tsunami Warning Center | — | **http://ptwc.weather.gov/** |
| Contact Us | — | **http://www.nauticalcharts.noaa.gov/staff/contact.htm** |

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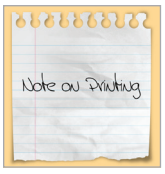


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NOAA's Office of Coast Survey The Nation's Chartmaker